

CLAIMS

1. A method of providing content to a mobile web browsing device from a web server, comprising the steps of:
 - 5 (a) receiving at a computer, remotely connected to the device over a wireless network, a log of data identifying content that has been viewed by the device;
 - (b) automatically sending updated content stored on the web server to the device over the wireless network;
 - 10 (c) causing that updated content to be automatically stored in device memory.
2. The method of Claim 1 in which the log is generated at the device and replicated at the remote computer.
- 15 3. The method of Claim 1 in which the remote computer views multiple content from the web server and determines if the content has changed.
4. The method of Claim 1 in which the remote computer views multiple content
20 from the web server and determines when the content has changed.
5. The method of Claim 1 in which the remote computer is notified by the web server if the content on the server has changed.
- 25 6. The method of Claim 1 in which the remote computer directly sends updated content to the device or causes the updated content to be sent to the device.
7. The method of Claim 6 in which the remote computer makes a decision whether or not to send, or cause to be sent, the updated content, by taking into account one or
30 more of the following:
 - (a) How fast the content on the web server is changing;
 - (b) How often the user views the content;
 - (c) What time of day it is;

- (d) What day of the week it is;
- (e) What an operator of the wireless network wants to promote.

8. The method of Claim 1 in which the operator of the wireless network can set
5 thresholds for all of the above conditions.

9. The method of Claim 7 or 8 in which these thresholds are controlled at the
remote computer and so can be updated at any point by the operator if it wants to
implement different caching strategies.

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10. The method of Claim 1 in which the remote computer determines how long the
cached data on the phone should stay cached before the data is removed and the device
goes back to using a normal download from the web server.

15 11. The method of Claim 1 in which the remote computer sends data to the device
that automatically causes the device to display a link to new content, the new content
being automatically stored on the device.

20 12. The method of Claim 1 in which the device includes a user interface that
indicates whether given content is already stored in device memory or not.

13. The method of Claim 1 in which the log also records the time that a specific item
of content was viewed by the device.

25 14. The method of Claim 1 in which the log identifies whether content that is being
viewed is updated content that had earlier been stored in device memory.

15. The method of Claim 1 in which the updated content is sent at off-peak periods
or to otherwise fill bandwidth troughs.

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16. A mobile web browsing device able to download and store content from a web
server over a wireless network, wherein the device is programmed to:

- (a) create a log of data identifying the content that is being viewed by the device;
- (b) send that log to a remote computer;
- (c) receive updated content;
- 5 (d) automatically store that updated content in memory.

17. A software application, programmed to allow a mobile web browsing device to download and display content from a web server over a wireless network, wherein the application is further programmed to:

- 10 (a) log data identifying content that is being viewed by the device;
- (b) cause the log to be sent to a remote computer;
- (c) receive a notification that updated content has been received by the device;
- (d) cause that updated content to be automatically stored in device memory.